U.S. EPA REGION IV

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Burl Maupin - RE SMOKEY MOUNTAIN SMELITERS/KNOX COUNTY, TENNESSEE 3792

From:

Burl Maupin

To:

carr.lofton@epa.gov

Date:

1/7/02 3:14PM

Subject:

RE:SMOKEY MOUNTAIN SMELTERS/KNOX COUNTY. TENNESSEE 37920/TN

DIVISION OF SUPERFUND SITE # 47559/EPA ID # TN0002318277

RE:SMOKEY MOUNTAIN SMELTERS

The Tennessee Division of Superfund is committed to conducting an Extended Site Investigation at the referenced Site during the fiscal year 01-02. Lofton Carr, USEPA, and Burl Maupirl, TDSF, conducted an on-site investigation at this facility on December 12, 2001.

Concern for the potential release of hazardous substances at the site is due to the nature of the former manufacturing operations (secondary aluminum smelting; agricultural chemical manufacturing), past environmental violations, and unknowns. It is believed the property operated prior to 1979 as an agricultural chemical manufacturing facility, which may have used settling ponds in it's manufacturing operations. These settling ponds are now believed to be partially buried with secondary aluminum smelting wastes. Secondary aluminum smelting is believed to have occurred from 1979 to 1994. Much of the waste dross, slag, and baghouse dust was dumped on-site, and some of this may have been buried. Large continuous gray-colored waste piles totaling an estimated 45,000 cubic yards covering three acres at a depth of 10 feet have been observed.

Based on analytical results of the Site Investigation, wastes containing hazardous substances related to agricultural chemical and secondary aluminum smelting operations are present on the surface at the Site. Large quantities of all substances detected in wastes may have been managed and disposed of at the Site for many years, and some may be buried. Some surface waste samples indicated pesticides and metals contamination at levels which may be RCRA-characteristically-toxic. Buried wastes were not investigated.

Additional investigatory efforts are required to determine the groundwater quality and type, depth, and quantity of subsurface hazardous substances at this Site. TDSF recommends that 15-20 samples from trenches dug into waste piles and the installation of 4 monitoring wells are necessary for an adequate investigation at this Site, and we request your approval.

Please review the attached list of proposed samples, sketch showing proposed soil and waste sample locations, and sketch showing proposed surface water pathway sample locations; and we can discuss these proposals at your convenience. The sketches are Harvard Graphics files (ch3).

This communication is also being faxed.

CC:

Hawkins, Dan



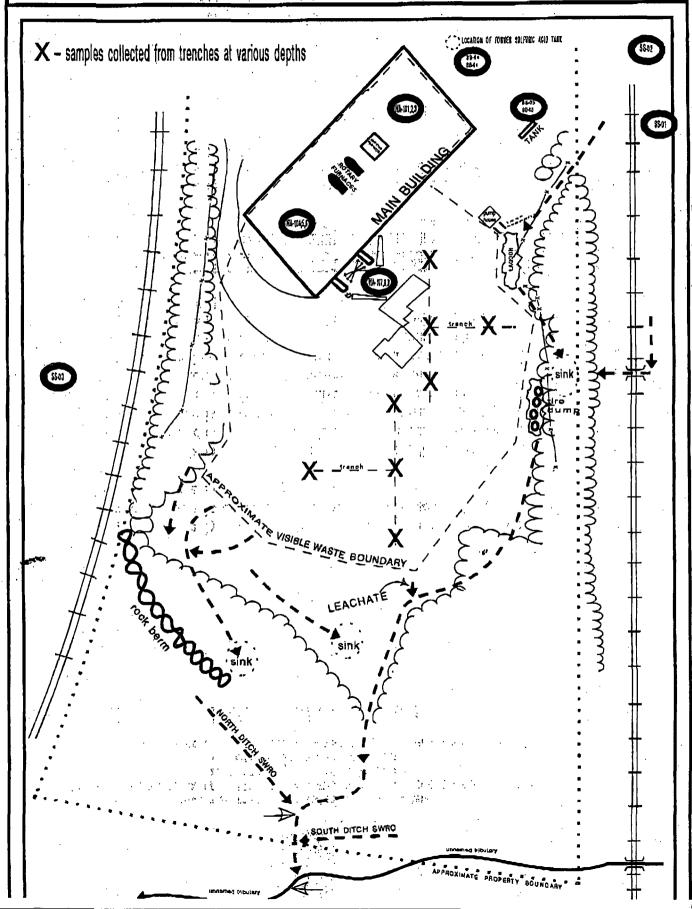
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-		- Contract of the Contract of	ENDED SITE INVESTIGATION - JANUARY 2002
SAM	SAMPLE NUMBER/ID SAMPLE TYPE		LOCATION/JUSTIFICATION CONTrol?
	SMS-SW-01	Water	Lageon Branch upstream of Lagoon at property boundary 🗡
2	SMS-SD-01	Sediment	Lagoon Branch upstream of Lagoon at property boundary
3	SMS-SW-02	Water	Lageon
4	SMS-SD-02	Sediment	Lageon
5	SMS-SW-03	Water	Railread Bauch at preperty boundary \ Cow trol ?
В	SMS-SD-03	Sediment	Railread Banch at property boundary
7	SMS-SW-04	Water	SMS Stream (Confluence of Lagoon and Railroad Branches prior to Leachate) 🔑 ~
8	SMS-SD-04	Sediment	SMS Stream (Confluence of Lagoon and Railread Branches prior to Leachate). Hove
9	SM5-SW-05	Water	Leachate at Southernmost Waste Pile In Couttobe
10	SMS-SD-05	Sediment	Leachate at Southernmost Waste Pile 4
11	SMS-SW-06	Water	SMS Stream (containing Lagoen and Railread Branches and Leachate) will picky
12	SMS-SD-Q6	Sediment	SMS Stream (containing Lagoon and Railroad Branches and Leachate) 4/08, 0
13	SMS-SW-07	Water	North Ditch
14	SMS-SD-07	Sediment	North Ditch
15	SMS-SW-08	Water	SMS Stream after North Ditch
16	SMS-SD-08	Sediment	SMS Stream after North Ditch
17	SMS-SW-09	Water	South Bitch \ control?
18	SMS-SD-09	Sediment	South Ditch
19	SMS-SW-10	Water	SMS Stream after South Ditch) could cut use 8 or 16 auly
20	SMS-SD-10	Sediment	SMS Stream after South Ditch /
21	SMS-SW-11	Water	East East Branch of Fleuniken Branch dewnstream of railroad tracks \ Cowfis(?)
22	SMS-SD-11	Sediment	East East Branch of Flouriken Branch downstroam of railroad tracks
23	SMS-SW-12	Water	Confluence of East East Branch of Florinken Branch and SMS Stream
24	SMS-SD-12	Sediment	Confluence of East East Branch of Flenniken Branch and SMS Stream
25	SMS-SW-13	Water	Pipe
26	SMS-SD-13	Sediment	Pipe Cut these out +
27	SMS-SW-14	Water	SWRO from Road Entering Witherspoon Landfill LANDFILLE SO
28	SMS-SD-14	Sediment	SWRO from Road Entering Witherspoon Landill
29	SMS-SW-15	Water	East East Branch of Flenniken Branch after SWRO from Road Entering Witherspoon
2.0	ding 311-10	androi.	Landfill
30 4	SMS-SD-15	Sediment	East East Branch of Fienniken Branch after SWRO from Read Entering Witherspeen
au =	ama-ab-la	Sommone	Landfill :
24	SMS-SW-16	Water	
31.	SMS-SD-16		Outlet of Partially Burled Corrugated Culvert
32		Sediment	Outlet of Partially Burled Corrugated Culvert
33	SMS-SW-17	Water	SWRO from North Side of Railroad Tracks
34	SMS-SD-17	Sediment	SWRO from North Side of Railread Tracks
35	SMS-SW-18	Water	SWRO from Screen Arts Site \ Control?
36	SMS-SD-18	Sediment	SWHO from Screen Arts Site
37	SMS-SW-19	Water	East East Branch of Flenniken Branch after SWRO from Landfill, Tracks, and Screen
	0000 00 10		Arts
38	SMS-SD-19	Sediment	East East Branch of Flenniken Branch after SWRO from Landfill, Tracks, and Screen
			Arts
39	SMS-SW-20	Water	North Fork of East Fork Flonnikon Branch \ (\infty \ \forall \)
10	SMS-SD-20	Sediment	North Fork of East Fork Flonnikon Branch
11	SMS-SW-21	Water	East Fork Flonniken Branch
12	SMS-SD-21	Sediment	East Fork Flonniken Branch
13	SMS-SW-22	Water	SWRO from Mebile Homes will pick up w/25
14	SMS-S0-22	Sediment	SWRO from Mobile Homes
15	SMS-SW-23	Water	East fork Flenniken Branch after SWRO from Mobile Homes
16	SMS-SD-23	Sediment	East Fork Flenniken Branch after SWRO from Mobile Homes
17	1 SMS-SW-24	Water	Spring at 2306 Maryville Pike
8	SMS-SB-24	Sediment	Spring at 2306 Maryville Pike
9	SMS-SW-25	Water	East Fork Flonnikon Branch after Spring at 2306 Maryville Pike
iO	SMS-SD-25	Sediment	Easti Fork Flenniken Branch after Spring at 2306 Maryville Pike
51	SMS-SW-26	Water	SWRO from Witherspoon Landfill and Mayo Seed Company

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124 SMS-MW-02 Groundwater Menitering Well (to be installed) 125 SMS-MW-03 Groundwater Menitering Well (to be installed) 126 SMS-MW-04 Groundwater Menitering Well (to be installed) 127 SMS-PW-05 Groundwater Residential Well (standby)]
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EXTENDED SITE INVESTIGATION
Site Sketch / Soil and Waste Sample Locations
SMOKEY MOUNTAIN SMELTERS

Knox County, TN SITE # 47-559



PROPOSED SURFACE WATER PATHWAY SAMPLE LOCATIONS

JANUARY 2002 EXTENDED SITE INVESTIGATION SMOKEY MOUNTAIN SMELTERS TDSF SITE # 47-559 1508 MARYVILLE PIKE KNOX COUNTY, TN 37920

